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JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/SKMS/QC/2018-19 Date: 15.02.2019

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. Sanjay kumar. M. S (Vignesh Enterprises),** Contractor, Bangalore.
NAME OF THE WORK	:	Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	405 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

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Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

Authorised Signatory

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Job No.: CQCE/BBMP/SKMS/QC/2018-19 Date : 15.02.2019

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.

Agency : **Sri. Sanjay kumar. M. S (Vignesh Enterprises),** Contractor, Bangalore.

Name of Work : Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.

Date of Testing : 15.02.2019

Material : 40mm Aggregates

Total wt. of aggregates in gms = **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	437	2.91	2.91	97.09	95-100
20	7234	48.23	51.14	48.86	30-70
10	5358	35.72	86.86	13.14	10-35
4.75	1567	10.45	97.31	2.69	0-5

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Job No.: CQCE/BBMP/SKMS/QC/2018-19

Date: 16.02.2019

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Agency : **Sri. Sanjay kumar. M. S (Vignesh Enterprises),** Contractor, Bangalore.
Name of Work : Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.
Sample Identification : 8mm,10mm,12mm,16mm Fe 500 TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 16.02.2019

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.39	546	555	13
2	Fe 500	10	0.62	558	567	13.5
3	Fe 500	12	0.89	570	579	14
4	Fe 500	16	1.58	582	591	15

Remarks:

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04.03.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.

Agency : **Sri. Sanjay kumar.** M. S (Vignesh Enterprises), Contractor, Bangalore.

Name of the work : Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.02.2019	04.03.2019	8.197	352.6	15.67
2	25.02.2019	04.03.2019	8.164	369.2	16.41
3	25.02.2019	04.03.2019	8.157	371.4	16.51

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Job No.: CQCE/BBMP/SKMS/QC/2018-19 04.03.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Agency	: **Sri. Sanjay kumar.** M. S (Vignesh Enterprises), Contractor, Bangalore.
Name of the work	: Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.02.2019	04.03.2019	8.198	362.4	16.11
2	25.02.2019	04.03.2019	8.168	371.2	16.50
3	25.02.2019	04.03.2019	8.184	358.9	15.95

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

25.03.2019

Client	
Agency	: **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Name of the work	: **Sri. Sanjay kumar.** M. S (Vignesh Enterprises), Contractor, Bangalore.
Sample ID	: Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.
Size of cubes	: Cement Concrete
Cross Sectional Area	: 150mmx150mmx150mm
Technical Reference	: 22500 mm^2
Grade of Concrete	: IS: 516-1959 (Reaffirmed 2008)
Compressive Strength as on	: M_{20}
	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.02.2019	25.03.2019	8.226	506.4	22.51
2	25.02.2019	25.03.2019	8.252	511.8	22.75
3	25.02.2019	25.03.2019	8.281	521.4	23.17

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Job No.: CQCE/BBMP/SKMS/QC/2018-19 Date: 15.03.2019

TEST REPORT ON STRUCTURAL STEEL

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.

Agency : **Sri. Sanjay kumar. M. S (Vignesh Enterprises),** Contractor, Bangalore.

: Construction of Shelter & Power Connection for Shredder in Mallasandra park in Mallasandra, BBMP, Bangalore.

Samples ID : Samples Supplied By Agency

Specimen Size : ISA-50X50X6mm (1m Length)

Date of Testing : 15.03.2019

Sl.No	Description	Result
1	Thickness	6.10 mm
2	Width	50.0 mm
3	Weight / Meter	4.32 Kg

The Results relate only to the items tested

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